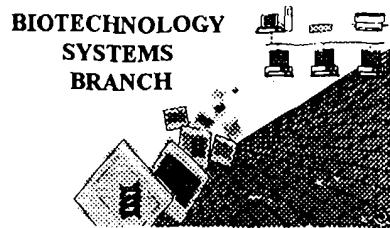


## RAW SEQUENCE LISTING ERROR REPORT



The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/705,716  
Source: 1FWO  
Date Processed by STIC: 11/19/03

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT  
MARK SPENCER, TELEPHONE: 703-308-4212; FAX: 703-308-4221

Effective 12/13/03: TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkr41note.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm>), EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry directly to (EFFECTIVE 12/01/03):  
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 10/08/03



IFWO

**RAW SEQUENCE LISTING**  
PATENT APPLICATION: US/10/705,716

DATE: 11/19/2003  
TIME: 16:22:40

Input Set : A:\AM100401Seq.txt  
Output Set: N:\CRF4\11192003\J705716.raw

3 <110> APPLICANT: Robinson, John Allen  
4 Stojanovic-Susulic, Vedrana  
5 Babij, Philip  
6 Murrills, Richard John  
9 <120> TITLE OF INVENTION: A Novel PTH Responsive Gene  
11 <130> FILE REFERENCE: AM100401  
C--> 13 <140> CURRENT APPLICATION NUMBER: US/10/705,716  
C--> 13 <141> CURRENT FILING DATE: 2003-11-10  
13 <150> PRIOR APPLICATION NUMBER: US 60/425,532  
14 <151> PRIOR FILING DATE: 2002-11-12  
16 <160> NUMBER OF SEQ ID NOS: 63  
18 <170> SOFTWARE: PatentIn version 3.2  
20 <210> SEQ ID NO: 1  
21 <211> LENGTH: 2146  
22 <212> TYPE: DNA  
23 <213> ORGANISM: Rat  
25 <400> SEQUENCE: 1

26 cccggcttag cccgcaqccgc agccgcaagc cgaacggccg ctgggcgcgc ccccaacagg 60  
28 ggaggatggg ctgcggcggg agccgagccg atgcattcga gccccgtac tatgagagct 120  
30 ggacccggga gaccgagtcc acctggctca cttacaccga ctcggacgcg ctggccagcg 180  
32 cccgagccac ggacaqccgc cccgaggccg gcccgcgtca cgcgggtgtg ctgaagacg 240  
34 ggccgtcctc taacgggtgtc ctccgacctg cagccccagg tggaaatagcc aaccagaga 300  
36 agaagatgaa ctgtgggacc caatgtccca actcacagag ctcagctca ggcctctga 360  
38 cccagaagca gaatggcatt tggaccacag aggctaaag ggtatgccaag cgaatgtctg 420  
40 caagagaagt cgctatcagc gtcacagaga atatccggca gatggacaga agttaaaagg 480  
42 tcacaaagaa ctgcatcaat tagcagtgtc tgggtgtgaa agcacatgaa cttctttgt 540  
44 gcttccagtc aaagaatatt gaagaagtgg gtgtcactca ctgaacgtgg atgcctctg 600  
46 gcgacgcacg gccaccacg cgggtacgac catcccgtt tcctgtttat cacatacaga 660  
48 aaatacatcg aaaagtccctg gaatatgttc acagattgcc aaactatgtt ttgttttcc 720  
50 tctctgcagc ttccgttagca gggctgtctg taaccatgtt gaagcccgtg ggcctgtgaa 780  
52 tgaatattgg aatccccggg gcaaggagct cacgctagcg tagaaatitc acagtgcgtg 840  
54 gtttcggaca agtccttcc tcctccttcc tttttaata cggccatgtt tttcacttaa 900  
56 gagctggctc tcaccaactc taaactcaaa aatacaagaa tcagagaaac agagagactc 960  
58 aqaatgagat tcatcagtcc tagttcacg tgctgactcc cgggtgccta tgccgtgcct 1020  
60 ttaggaggtg tctatgacac acacacacac acacacacac acacacacac acacacacac 1080  
62 acacacctgt tcctccctca cctqgaaaqg tctcccaggc tggcaatcagg catggcttc 1140  
64 cgaatcaaaa tgcacatgt ttggggccct tgcacccaaac ctgcacccgc tttggacct 1200  
66 agtcctatgt ggctttccc atagtttct agtccctgt tcttctcatg gactttgtac 1260  
68 tccagtcagg tcatttgcag ctgtatcaa agactggaca ccactccgg gggaaagggtga 1320  
70 ccttaggaaca catggtgaca cacacgtqc ccccttggcc tttctgtaca cagccccaaag 1380  
72 gaccgtgtta ttttgtatc tgcaaagcaa ttagtttggaa aagccagagc ctggttgtatg 1440  
74 tatattccctg ctgacatcag accaagaagg cactgtattg gaaaggcaggc agccaacaca 1500  
76 gccaagccat gctctqatgatgatgatgatgatgatgatgatgatgatgatgatgatgatgatg 1560

Open Read Comply  
Open Read Comply  
Open Read Comply

pp 6-7

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/705,716

DATE: 11/19/2003

TIME: 16:22:40

Input Set : A:\AM100401Seq.txt

Output Set: N:\CRF4\11192003\J705716.raw

78	gtatggcaca	gcctgagttt	gaaaggaccg	ttcacttgct	tgggcttatt	aaaggatata	1620										
80	tccaaagtgt	gtcaaaactgt	atcaacagac	tccacatcta	gcagcaagag	cagtctggtg	1680										
82	acatgtttat	acgacacagt	ccaagagaag	taacctaagc	gggctaaaat	gcagatgctc	1740										
84	acgcctgtct	ctgaagtgtat	ttctccaaca	cagacagaac	tgtaaaactgt	gcqtttattc	1800										
86	gtattaaaat	tcactgccaa	tcttgtgcca	gctacagtaa	cagacacaga	ggggqltgga	1860										
88	gtctggcagt	cacgaccgta	catctgactc	tatggggagg	cttgagactc	aggagaatga	1920										
90	cctgaacct	gcggcacagg	accaaccatt	qcagtgaaat	ctcacttcta	ggtaaaaggt	1980										
92	agctttctat	ccatcgcaaa	tgtatgtctt	ctcctctigcc	rtgttagacta	cagttttccc	2040										
94	caacctctct	caccttgact	ccttgtcaaa	gggcttttag	ggaacttcat	gttctgacaa	2100										
96	tttaactaat	aaaacaaaag	caagccccgt	gaaaaaaaaa	ccgggc		2146										
99	<210>	SEQ ID NO:	2														
100	<211>	LENGTH:	145														
101	<212>	TYPE:	PRT														
102	<213>	ORGANISM:	Rat														
104	<400>	SEQUENCE:	2														
106	Met	Gly	Cys	Gly	Gly	Ser	Arg	Ala	Asp	Ala	Ile	Glu	Pro	Arg	Tyr	Tyr	
107	1					5					10				15		
110	Glu	Ser	Trp	Thr	Arg	Glu	Thr	Glu	Ser	Thr	Trp	Ileu	Thr	Tyr	Thr	Asp	
111							20			25				30			
114	Ser	Asp	Ala	Leu	Pro	Ser	Ala	Ala	Ala	Thr	Asp	Ser	Gly	Pro	Glu	Ala	
115							35			40				45			
118	Gly	Gly	Leu	His	Ala	Gly	Val	Leu	Glu	Asp	Gly	Pro	Ser	Ser	Asn	Gly	
119							50			55				60			
122	Val	Leu	Arg	Pro	Ala	Ala	Pro	Gly	Gly	Ile	Ala	Asn	Pro	Glu	Lys	Lys	
123							65			70				75			80
126	Met	Asn	Cys	Gly	Thr	Gln	Cys	Pro	Asn	Ser	Gln	Ser	Leu	Ser	Ser	Gly	
127							85			90				95			
130	Pro	Leu	Thr	Gln	Lys	Gln	Asn	Gly	Leu	Trp	Thr	Thr	Glu	Ala	Lys	Arg	
131							100			105				110			
134	Asp	Ala	Lys	Arg	Met	Ser	Ala	Arg	Glu	Val	Ala	Ile	Ser	Val	Thr	Glu	
135							115			120				125			
138	Asn	Ile	Arg	Gln	Met	Asp	Arg	Ser	Lys	Arg	Val	Thr	Lys	Asn	Cys	Ile	
139							130			135				140			
142	Asn																
143	145																
146	<210>	SEQ ID NO:	3														
147	<211>	LENGTH:	2847														
148	<212>	TYPE:	DNA														
149	<213>	ORGANISM:	Homo sapiens														
151	<400>	SEQUENCE:	3														
152	ggccggacta	ggggcgccgg	gcaccgcagg	agctccgcgc	ggctgcagcg	cggcgccggag									60		
154	cggggacgcg	atgtcgccgc	cgccgcctcc	ttgcgggccc	gggcgtgcgc	tccggggctg									120		
156	agccgcgcgc	agagccgaca	gccgagcagc	cgctgggcgc	tcccgccgc	caggaggatg									180		
158	ggctgcggcg	ggagccgggc	ggatgcacatc	gagccccgt	actacgagag	ctggaccgg									240		
160	gagacagaat	ccacctggct	cacctacacc	gactcgacg	cgccgcgg	cgccgcgc									300		
162	ccggacagcg	gccccgaagc	gggcggcctg	cactcgcc	tgctggaa	tggactgccc									360		
164	tccaaatggtg	tgccccgatc	tacagcccc	ggttggata	ccaaaccaga	qaagaagacg									420		
166	aactgtgaga	cccagtgc	aaatccccag	agctcagct	caggccct	gaccaggaaa									480		
168	cagaatggcc	ttcagaccac	agaggctaaa	agagatgct	agagaatg	tgcaaaaagaa									540		

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/705,716

DATE: 11/19/2003

TIME: 16:22:40

Input Set : A:\AM100401Seq.txt

Output Set: N:\CRF4\11192003\J705716.raw

170	gtcaccatta	atgtaacaga	tagcatccaa	cagaatggaca	gaagtcgaag	aatcacaaag	600										
172	aacigtgtca	actagcagag	agtccaaagca	gaaggcaga	tggacttctt	caigtgcctt	660										
174	cacggcactg	gatcccatca	aagaaccttg	aagaagtggc	tggcccttgc	tgacactgaa	720										
176	ttctactgag	tccctggcaa	gactgtctta	cctggcagca	aactgctgcc	tgatttggtg	780										
178	ggaccttctg	agccttctac	ttatcatgta	aatgtatgg	cacagtgttt	acatatgtta	840										
180	ataaaactgca	aatgtgcagt	tcagtttgc	tcttgcac	tcctgtata	cgtctggtg	900										
182	taaaagtagt	gagttaaagc	tacaggcag	tttatgaaac	agaaaagtag	gaatgcattt	960										
184	tctgggtgaa	agagtcacac	cttagtqcta	taactctcct	gcccatgata	gtgtattctg	1020										
186	tttcaggcaa	gcttatttctt	tccttcttc	attttaata	ttgtcattac	aaatcttacc	1080										
188	aggttcactt	aaaagctggc	tttcatccaa	ctctaaaccc	acatattgaa	aaaatcaagg	1140										
190	tacagggaaaa	ctccitgtta	tccttgtt	cttagcttgg	tatgagacag	atcgatcca	1200										
192	gttccccatg	caccaaccca	ctgcccattgg	catgttttg	ggaggtgtct	gtgaaggcagt	1260										
194	catacctgct	cctcatctgc	ctggaaagtc	ctcttattcc	agtgtccatg	ttggccicca	1320										
196	gtccttaatg	tcaccatgct	tqlggcaat	gcatccaaat	aaggataccc	ctcagggctc	1380										
198	agctagacat	tgcaattttg	catagctt	cagttccctt	tgcttgcctt	cttgactgtt	1440										
200	ttccctctct	atcggggta	cttgcattt	ttaatcaaag	attgaacact	gcgtaggaga	1500										
202	gggagatgt	ccagagacat	gtggcaqcaq	qcatggctt	cccttgcct	ctctgtacac	1560										
204	tgccccagga	ctgtcatttt	ggcatctgca	aagaatcac	tttagaaagc	cagcacctgg	1620										
206	ttgatgtgta	ttcatactga	cattagattt	atgtgcactg	cattagaaat	gaggttagctg	1680										
208	acacagaaaa	aggatgttt	gataggaata	attttctagt	atgtctgaa	acatgttcat	1740										
210	ctgaaagtat	tttcctccaa	agtaatgtag	catgattttt	caaggattgt	taacatqcct	1800										
212	gggattggga	aagataggac	taaagtgtt	ccaaactata	tcaataaatt	ccatgtttag	1860										
214	cagaaatagg	cagcttattt	gtgttatgtt	ttatgtacat	agtccagaga	actgacatgc	1920										
216	aggtaaaag	tcagatacgc	aacccctta	tctgcttaact	ctgttattct	tcaaacacaa	1980										
218	gtgggtaatg	tcattttcc	ttcccttc	ccattggcag	attgtatatt	tattcacaaa	2040										
220	acattaaatg	tccatccctgt	gccaggtact	atqagatgt	tgagggalit	ggggctctgg	2100										
222	tagcgtgac	tatctatcct	gaatctaaca	gtgacttcat	aactaggaga	ctgaatttga	2160										
224	cccttaaggt	atagtgtgt	ttgcaatca	ctctgcaatg	gaaacttta	tattcagggt	2220										
226	aggtttgggt	cttaaactag	gtgttctaat	caatgtacaa	gacittacca	tacacgcaac	2280										
228	tttagtttt	ctaaacccctt	atcattttgt	gattcttga	gaaaggctt	ttaggaactt	2340										
230	tatgttctaa	aaaatgtttt	taacaataat	aagataaaag	aaaaacctgt	gatcatatg	2400										
232	tccccactgg	cattactcg	caggagcccc	cagctgccaa	aggttgcag	tgatcctgca	2460										
234	agttcaaggg	ctcttctcc	ctggggatgt	gtttgtggc	ttctcttac	agctttgttt	2520										
236	ctgcatca	tcactgctgc	atgttggtt	gaatitata	ccttaagaaa	gtgtctctgt	2580										
238	tttatataga	aacacttct	cacttacagg	ggagaaggaa	atgcaggc	catgatctgg	2640										
240	ccctccccag	aacaatctgg	atttacgg	gacagcaacc	agaagttaaa	ccatgtgact	2700										
242	aaaaatgcat	ctggctactt	tttcatgtat	gtatgagaca	gaaactaatac	cttactatcc	2760										
244	tatttaggata	ccactttca	ttgcaagtt	tgtgtcaata	aagtattaa	ttttaaacat	2820										
246	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa			2847										
249	<210>	SEQ ID NO:	4														
250	<211>	LENGTH:	145														
251	<212>	TYPE:	PRT														
252	<213>	ORGANISM:	Homo sapiens														
254	<400>	SEQUENCE:	4														
256	Met	Gly	Cys	Gly	Gly	Ser	Arg	Ala	Asp	Ala	Ile	Glu	Pro	Arg	Tyr	Tyr	
257	1						5					10				15	
260	Glu	Ser	Trp	Thr	Arg	Glu	Thr	Glu	Ser	Thr	Trp	Ileu	Thr	Tyr	Thr	Asp	
261												20				25	30
264	Ser	Asp	Ala	Pro	Pro	Ser	Ala	Ala	Ala	Pro	Asp	Ser	Gly	Pro	Glu	Ala	

RAW SEQUENCE LISTING DATE: 11/19/2003  
 PATENT APPLICATION: US/10/705,716 TIME: 16:22:40

Input Set : A:\AM100401Seq.txt  
 Output Set: N:\CRF4\11192003\J705716.raw

265	35	40	45														
268	Gly	Gly	Leu	His	Ser	Gly	Met	Leu	Glu	Asp	Gly	Leu	Pro	Ser	Asn	Gly	
269	50						55					60					
272	Val	Pro	Arg	Ser	Thr	Ala	Pro	Gly	Gly	Ile	Pro	Asn	Pro	Glu	Lys	Lys	
273	65						70				75				80		
276	Thr	Asn	Cys	Glu	Thr	Gln	Cys	Pro	Asn	Pro	Gln	Ser	Leu	Ser	Ser	Gly	
277							85				90				95		
280	Pro	Leu	Thr	Gln	Gln	Asn	Gly	Leu	Gln	Thr	Thr	Glu	Ala	Lys	Arg		
281		100						105				110					
284	Asp	Ala	Lys	Arg	Met	Pro	Ala	Lys	Glu	Val	Thr	Ile	Asn	Val	Thr	Asp	
285		115						120				125					
288	Ser	Ile	Gln	Gln	Met	Asp	Arg	Ser	Arg	Arg	Ile	Thr	Lys	Asn	Cys	Val	
289		130					135				140						
292	Asn																
293	145																
296	<210>	SEQ	ID	NO:	5												
297	<211>	LENGTH:	271														
298	<212>	TYPE:	DNA														
299	<213>	ORGANISM:	Homo sapiens														
301	<400>	SEQUENCE:	5														
302	atgggctg	cg	gcgggagccg	ggcggatgcc	atcgagcccc	gctactacga	gagctggacc									60	
304	cgggagacag	aatccac	ctg	gctcac	accgactcg	acgcgcgc	cagcgcgc									120	
306	gccccggaca	gcggccccc	ga	agcggccgc	ctgcactcg	gctaaaagag	atgctaagag									180	
308	aatgcctg	ca	aaagaagica	ccattaatgt	aacagatagc	atccaa	caga	tgacaca	ag							240	
310	tcgaagaatc	aca	aaagaact	gtgtcaacta	g											271	
313	<210>	SEQ	ID	NO:	6												
314	<211>	LENGTH:	54														
315	<212>	TYPE:	PRT														
316	<213>	ORGANISM:	Homo sapiens														
318	<400>	SEQUENCE:	6														
320	Met	Gly	Cys	Gly	Gly	Ser	Arg	Ala	Asp	Ala	Ile	Glu	Pro	Arg	Tyr	Tyr	
321	1						5				10				15		
324	Glu	Ser	Trp	Thr	Arg	Glu	Thr	Glu	Ser	Thr	Trp	Leu	Thr	Tyr	Thr	Asp	
325							20			25				30			
328	Ser	Asp	Ala	Pro	Pro	Ser	Ala	Ala	Ala	Pro	Asp	Ser	Gly	Pro	Glu	Ala	
329							35			40				45			
332	Gly	Gly	Leu	His	Ser	Gly											
333			50														
336	<210>	SEQ	ID	NO:	7												
337	<211>	LENGTH:	1988														
338	<212>	TYPE:	DNA														
339	<213>	ORGANISM:	Mouse														
341	<400>	SEQUENCE:	7														
342	gcagcagcca	cagccgcaag	ccgagcggcc	gccgggcgc	cccgcaacac	gggaggatgg										60	
344	gctgcggccg	qagccqagcc	gatqccatcg	agccccgcta	ctacqaqagt	tggacccggg										120	
346	agacggagtc	cacctggctc	acctacacccg	actcggacgc	gctgccagc	gccgcagcca										180	
348	cggacagccg	ccccgaggcg	ggcggcctgc	acgcgggtgt	gctggaa	gac	ggactgtcct									240	
350	ctaacgggt	gtlccgac	ct	gcagccccgg	gtgaaatagc	caaccc	caga	aaga	agatga							300	
352	actgtggac	ccaatgtccc	aactcacaga	acctcagctc	aggccctctg	accc	caga	aaac								360	

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/705,716

DATE: 11/19/2003

TIME: 16:22:40

Input Set : A:\AM100401Seq.txt

Output Set: N:\CRF4\11192003\J705716.raw

354	agaatggcct	ctgggccaca	gaggctaaga	gggatgctaa	gcgqatgtct	gcaagagaag	420
356	tggctattaa	cgttacagag	aatattccgc	agatggacag	aagtaaaagg	gtcaccaaga	480
358	actgcataa	ttagcagtgc	ccggatgtgg	aggcagatga	acttcttgg	ggagtctagt	540
360	caaagaatcc	tgaagaagtt	gatgtcaactc	gatgagtgtg	gatgcctctg	agtgacacac	600
362	ggccacccaa	cgctgtgacg	aacatctcg	tttcctgtt	atcacatata	gaaaatacat	660
364	cggaaagtcc	tgaaatatgt	tcatagattg	ccaaaatgtg	gtttgtttt	tccctctgc	720
366	agcttccata	gcatggctg	ctgttagccat	ggcqactggc	acagaaaaggc	tggagtaacg	780
368	gaatccctgt	caaggagctc	acactcqtc	agagctttct	cagtgtgtgg	ttgcagacaa	840
370	actccttc	tcctccttc	cttttaata	cgcccaccac	aaaatttaci	gtttcactt	900
372	aagagctggc	tcccagccaa	ctctaaatcc	agaaatacaa	gaatccaaaa	aaccagagag	960
374	actcggaaacg	agctgaatca	gtcccagtt	cacgtgtgg	ctccccqgtg	cctactcggt	1020
376	gtctttgaga	ggtgtctatg	agacacgcac	atgcacacgc	acacacacac	acatacctgt	1080
378	ttctcctcta	cctggaaagg	actcccaggc	tagcatccag	gcgttggctt	ccaaaccaga	1140
380	atgtcacatg	tctgtggct	ttgtccctt	tggacctag	cttcatqttg	ctttccccca	1200
382	tagcttcca	gttccctatt	gttctggtg	gcttgtacc	ttcagtcagg	tggtcatttg	1260
384	cagctggaca	ccactcacag	gggggaaagt	gacctaggaa	cacatgtgg	cacacgtgat	1320
386	accctttgg	ccctctgt	cacagcccc	aggaccatgt	taatitgtt	atctgcagag	1380
388	taattagttt	ggaaagccag	aggctggtt	atgtatattc	ctgttgacat	agtctaacaa	1440
390	ggcactca	gtattgaaaa	acaggcacca	acatggtaaa	gcgtgtttt	gataggaacc	1500
392	cttccccagc	attcctaagc	acaccttct	qcagagttt	tttgacacagc	atgagtctga	1560
394	aaggactgtt	aacatgctt	ggcttataa	ggtccaagtc	atatacaact	gtaccaacaa	1620
396	actcacatc	agcagcaata	gtagtctggc	ggcatgttta	cgtgacagtt	caagagaagt	1680
398	cacccaagcg	gattaagatg	cagatgtca	ctgtgtctc	tgacttattt	ctccaaacaca	1740
400	agttagaactg	taagactgtat	gtttatttt	gttaagattc	actgccaacc	ttgtgccagc	1800
402	tacagtaaca	gtcgcagagg	gatttggagt	cggaagica	cqactgtact	tctgactctg	1860
404	tgaggaggct	tggtactcag	gagactgaca	cggaccctgt	ggcacaagac	caatgatigc	1920
406	agtggaatct	cacacttagg	taaaggtagc	tttctgtcaa	tcacagatgt	atgtcttc	1980
408	ctttgccg						1988

411 &lt;210&gt; SEQ ID NO: 8

412 &lt;211&gt; LENGTH: 145

413 &lt;212&gt; TYPE: PRT

414 &lt;213&gt; ORGANISM: Mouse

416 &lt;400&gt; SEQUENCE: 8

418	Met	Gly	Cys	Gly	Gly	Ser	Arg	Ala	Asp	Ala	Ile	Glu	Pro	Arg	Tyr	Tyr
419	1					5					10				15	
422	Glu	Ser	Trp	Thr	Arg	Glu	Thr	Glu	Ser	Thr	Trp	Leu	Thr	Tyr	Thr	Asp
423											20			25		30
426	Ser	Asp	Ala	Leu	Pro	Ser	Ala	Ala	Ala	Thr	Asp	Ser	Gly	Pro	Glu	Ala
427											35			40		45
430	Gly	Gly	Leu	His	Ala	Gly	Val	Leu	Glu	Asp	Gly	Leu	Ser	Ser	Asn	Gly
431											50			55		60
434	Val	Leu	Arg	Pro	Ala	Ala	Pro	Gly	Gly	Ile	Ala	Asn	Pro	Glu	Lys	Lys
435											65			70		75
438	Met	Asn	Cys	Gly	Thr	Gln	Cys	Pro	Asn	Ser	Gln	Asn	Leu	Ser	Ser	Gly
439											85			90		95
442	Pro	Leu	Thr	Gln	Lys	Gln	Asn	Gly	Leu	Trp	Ala	Thr	Glu	Ala	Lys	Arg
443											100			105		110
446	Asp	Ala	Lys	Arg	Met	Ser	Ala	Arg	Glu	Val	Ala	Ile	Asn	Val	Thr	Glu
447											115			120		125

RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/10/705,716

DATE: 11/19/2003  
TIME: 16:22:41

Input Set : A:\AM100401Seq.txt  
Output Set: N:\CRF4\11192003\J705716.raw

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,  
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:11,12,13,14,25,26,27,28

Use of <220> Feature(NEW RULES): *error explanation*

Sequence(s) are missing the <220> Feature and associated headings.  
Use of <220> to <223> is MANDATORY if <213> ORGANISM is "Artificial Sequence"  
or "Unknown". Please explain source of genetic material in <220> to <223>  
section (See "Federal Register," 6/01/98, Vol. 63, No. 104, pp.29631-32)  
(Sec.1.823 of new Rules)

Seq#:11,12,13,14

*see p. 7 for error examples*

10/705,716

7

<210> SEQ ID NO 11  
<211> LENGTH: 16  
<212> TYPE: PRT  
<213> ORGANISM: Artificial  
<220> FEATURE:  
<223> OTHER INFORMATION: :

<400> SEQUENCE: 11

Arg Ala Asp Ala Ile Glu Pro Arg Tyr Tyr Glu Ser Trp Thr Arg Glu  
1 5 10 15

needs explanation

See p.6

<210> SEQ ID NO 12  
<211> LENGTH: 12  
<212> TYPE: PRT  
<213> ORGANISM: Artificial  
<220> FEATURE:  
<223> OTHER INFORMATION: :

<400> SEQUENCE: 12

Glu Asp Gly Leu Pro Ser Asn Gly Val Pro Arg Ser  
1 5 10

<210> SEQ ID NO 13  
<211> LENGTH: 13  
<212> TYPE: PRT  
<213> ORGANISM: Artificial  
<220> FEATURE:  
<223> OTHER INFORMATION: :

<400> SEQUENCE: 13

Glu Ala Lys Arg Asp Ala Lys Arg Met Asp Ala Lys Glu  
1 5 10

<210> SEQ ID NO 14  
<211> LENGTH: 14  
<212> TYPE: PRT  
<213> ORGANISM: Artificial  
<220> FEATURE:  
<223> OTHER INFORMATION: :

<400> SEQUENCE: 14

Gln Met Asp Arg Ser Arg Arg Ile Thr Lys Asn Cys Val Asn  
1 5 10

**VERIFICATION SUMMARY**  
PATENT APPLICATION: US/10/705,716

DATE: 11/19/2003  
TIME: 16:22:41

Input Set : A:\AM100401Seq.txt  
Output Set: N:\CRF4\11192003\J705716.raw

L:13 M:270 C: Current Application Number differs, Replaced Current Application No  
L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:555 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:11, <213>  
ORGANISM:Artificial  
L:555 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:11, <213>  
ORGANISM:Artificial  
L:555 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:11,Line#:555  
L:566 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:12, <213>  
ORGANISM:Artificial  
L:566 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:12, <213>  
ORGANISM:Artificial  
L:566 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:12,Line#:566  
L:577 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:13, <213>  
ORGANISM:Artificial  
L:577 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:13, <213>  
ORGANISM:Artificial  
L:577 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:13,Line#:577  
L:588 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:14, <213>  
ORGANISM:Artificial  
L:588 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:14, <213>  
ORGANISM:Artificial  
L:588 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:14,Line#:588